SPRSUN

CREATE A COMFORTABLE LIFE WITH SPRSUN

Woud Bosma
Energieadvies bv
Uw partner in duurzame energie.

2024 Catalogue

Content

Air to Water Domestic Heating, Cooling & DHW

GreenergyPro Series

Heating Capacity: 9-18kW

Greenergy Series

Heating Capacity: 9-18kW

ClimaPro Series

Heating Capacity: 6-36kW

Clima Series

Heating Capacity: 6-36kW

Other

Icefield-M Series

Heating Capacity: 7.5-32kW

Icefield-S Series

Heating Capacity: 9.6-18.9kW

Hot Water Heat Pumps

Combo Series

Heating Capacity: 9.5-88kW

Homies Series

Heating Capacity: 3.8-9kW

Swimming Pool Heat Pumps

Ocean Series

Heating Capacity:5-39kW

Easy Installation Solution

Easy AquaKit

Integral Hydronic Tank

About SPRSUN

SPRSUN was established in 1999 and has become a leading provider of green energy solutions and a national high-tech enterprise. At SPRSUN, we are committed to creating innovative, energy-saving, and environmentally friendly products from the design stage. Our products cover a full range of air-to-water heat pump solutions for residential, light commercial, and industrial applications. They comply with the EN14511 standard and have obtained certifications for CE, KEYMARK, AIT, ISO, SAA, RoHS, BAFA and ERP.

We aim to create a greater energy-saving value and accelerate the global carbon peak and carbon neutrality process. THIS IS SPRSUN NEW ENERGY!

25+
Years of Manufacturing Experience

60+
Selling Countries & Regions

560+
Global Strategic Partners

25000+
Units Monthly Capacity

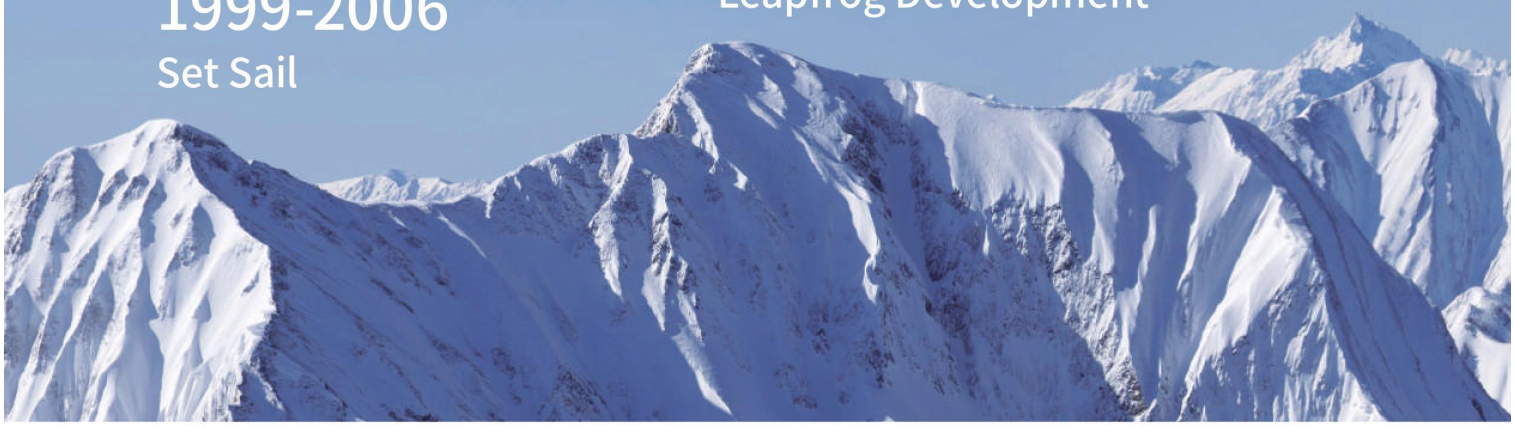

SPRSUN
SPRSUN
—春光空气能—
广州春光新能源科技发展有限公司

Milestone

SPRSUN is one of the leading heat pump manufacturers in China. We are committed to developing energy-efficient solutions and providing our partners with safe, stable, and high-quality products. Our focus on innovation and improved service keeps us at the forefront of heat pump technology.

1999-2006
Set Sail

2011-2015
Leapfrog Development



1999 Founded, focus on solar water heater.

2003 In July, involved in first central hot water system.

2005 First commercial air-water heat pump developed, in Oct, ISO 9001, ISO 14001 & CE obtained.

2006 In June, first mass order for commercial air-water heat pump exported to Europe.

2011 Manufacturing base built in Development Zone.

2012 3C certificate & EN14511 test report obtained from TUV.

2013 Honored as TOP 10 brand for heat pumps in China; EVI heat pumps for -25°C cold climate attract many customers.

2014 High-tech company awarded and honored again as TOP 10 brand for heat pumps in China.

2015 Energy label A+ approved from TUV, honored again as Top 10 brand in China’ s heat pump industry.

2016 Enlarge the manufacturing base 3 times bigger.

2018 Wi-fi control function developed for SPRSUN air source heat pumps.

2020 SPRSUN DC inverter heat pumps enhanced to obtain the A+++ ERP certificate.

2021 Released Clima Series R32 DC inverter air source heat pumps.

2022 Released ClimaPro Series R32 inverter air source heat pumps and heat pump kits;
Keymark certificate obtained;
The second factory launched.

2023 The overseas team expanded and moved to a bigger office;
Released GreenergyPro Series R290 inverter air source heat pumps.

2024 Construction of a modern smart factory has commenced;
Released Greenergy Series R290 DC inverter air source heat pumps and simple installation solution - Integral Hydronic Tank.

Certificates

SPRSUN manufactures based on EN14511 standard and our products are with CE, KEYMARK, AIT, ISO, SAA, RoHS, BAFA, CCC, and ERP certificates. Our latest DC inverter heat pumps, both R290 and R32 refrigerant heat pumps have been approved and rated as ERP A+++ energy label by TUV SUD, which will bring significant energy savings for our customers worldwide. We are also flexible to apply and help to apply local certificates on customer's demand.

AIT Test Report

KEYMARK Test Report

ERP A+++ TUV Test Report

Noise Test Report

MCS Certificate

RoHS Certificate

CE Certificate

ISO 19001

ISO 14001

Manufacturing & Business Center

Multiple production lines, intelligent equipment, and advanced management systems give SPRSUN powerful production capabilities.

Production Base 1

(Located in Guangzhou, Zengcheng)

30000+ Square Meters Factory Area

2 Production Lines

Production Base 2

(Located in Guangzhou, shapu)

10000+ Square Meters Factory Area

2 Production Lines

Overseas Business Center

(Located in Guangzhou,Xintang)

Class A modern office building

Service Support in Over 60 Countries and Regions

SPRSUN New Factory

(Located in Guangzhou,Xintang)

80000+ Square Meters Factory Area
5 Production Lines
It's under construction and expected to be completed by 2025.

The new factory has been designed with the support of 5G and Internet of Things technology. It will have systems such as MES, WMS, PLM, and ERP, and will be equipped with automated intelligent equipment. Once completed, the heat pumps manufactured by SPRSUN will reach a monthly output of 55,000 units.

SPRSUN Product Lines





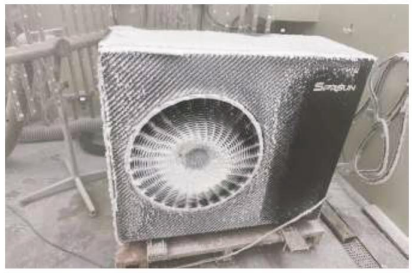
R&D Center

Advanced Heat Pump Performance Testing Laboratory

Able to simulate the operating performance of heat pump units at ambient temperature from -30°C to 50°C.

Test heat pumps of input power ranging from 0.8kW to 80kW, as well as a frequency of 50Hz/60Hz.

- Test the performance of newly developed products.
- Inspect, refine , and adjust new products before their delivery.
- Provide support for any questions concerning the products and installation.
- Improve our products continually to meet the needs of our customers. Assist in getting certificates such as CE and SAA for the products.
- Provide training and materials on products, installation & maintenance.



Quality Control

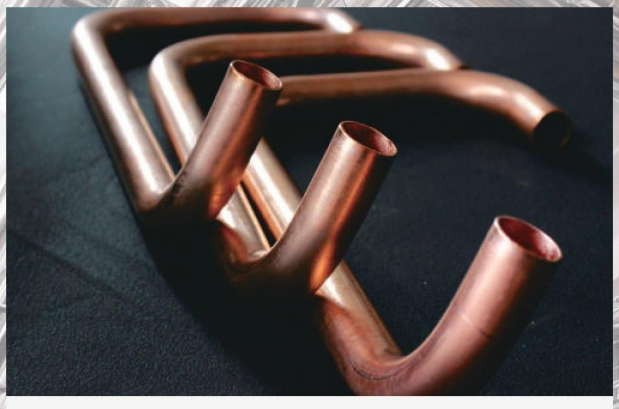
Ensure Our Heat Pumps Are 100% Tested Before Delivery!

Incoming Material QC

Supplier Assessment, Material Quality Checking, Heat Exchanger Leaking Check, Electric Unit Check.

Assembly System QC

Welding, Leakage Check, Vacuum, Filling Refrigerant, Sticking Pipe Insulation, Sticking Silencing Surface, Control System Connecting.



Piping Grafts QC

Inspection of pipe bending, drilling on pipes, contraction and expansion of apertures, polishing, cleaning, and welding processes.

Finished Product QC

Spot-checking, Performance Testing, Washing and Cleaning, Drying Inside, Sticking Labels, Packaging.

One-Stop Solution To Meet Various Residential Needs

As a green heating solution for the future, SPRSUN heat pumps can provide comfortable heating in winter, cooling in summer, gentle airflow, and a more comfortable overall sensation, while also supporting a 24-hour hot water supply.

Whole House Heating

Central Hot Water

Central Cooling

Hot Water + House Heating

Hot Water + House Cooling

R290 Refrigerant

SPRSUN has developed brand new products going with R290 refrigerant which is a highly pure propane. It has a low environmental impact and nominal global warming potential (GWP3), meaning it possesses no qualities that can destroy the ozone layer.

R290 also is the preferred hydrocarbon alternative of the Environmental Protection Agency (EPA).

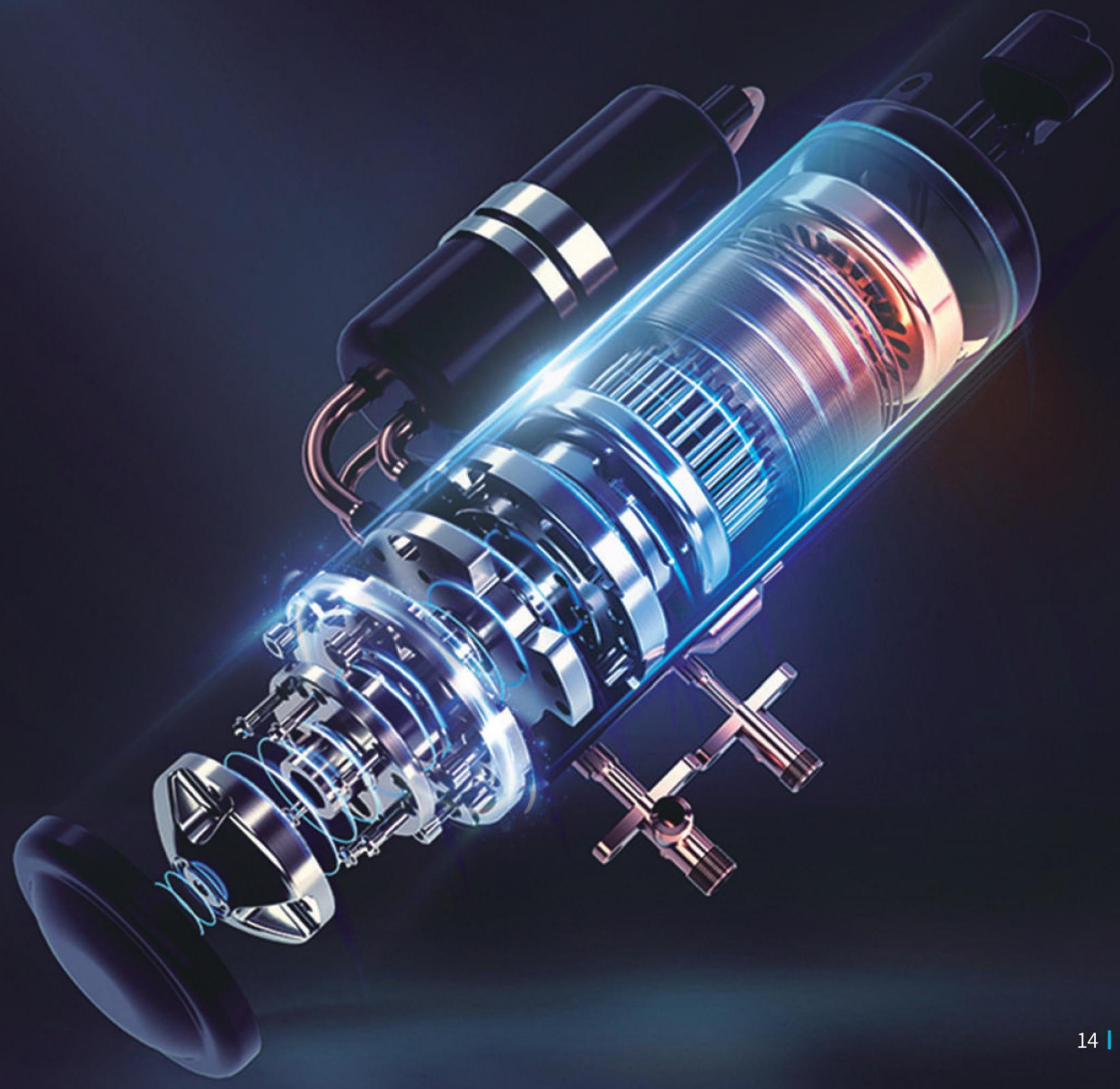
Highly Efficient ERP A+++

The unit can operate at high frequency to heat water at a faster speed. When the temperature reaches the set temperature, it will operate at a low frequency with less energy consumed to maintain temperature. The higher the energy efficiency level, the lower the energy consumption.This means that it can help users save more energy expenses, making it more competitive in the market.

TÜV SÜD
Product Service

Heating in Low Temperature

SPRSUN's innovative DC inverter technology uses DC inverter compressors and controllers, and greatly improves heating capacity in low-temperature environments by optimising the overall system operation scheme. This allows SPRSUN heat pumps to support efficient home heating as low as -30°C.



Smart Touch Screen

The colorful smart touch screen not only looks sleek and stylish, but also responds quickly, and supports multiple modes for easy one-touch setup, making it effortless for users to control the system.

Timing Control:

- Timezone
- Setpoint
- Pre-setting
- Temperature

Multiple Operating Modes:

- Turbo
- Eco
- Sleep
- HI-COP

Multiple Extended Functions:

- Language Setting
- Temperature Curve
- User Parameters
- Engineering Parameters
- Unit Information

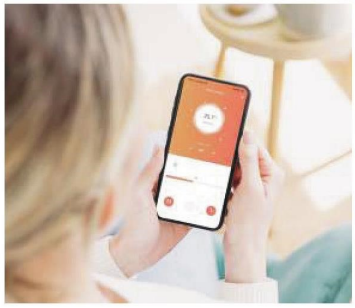
SPRSUN Smart Control System

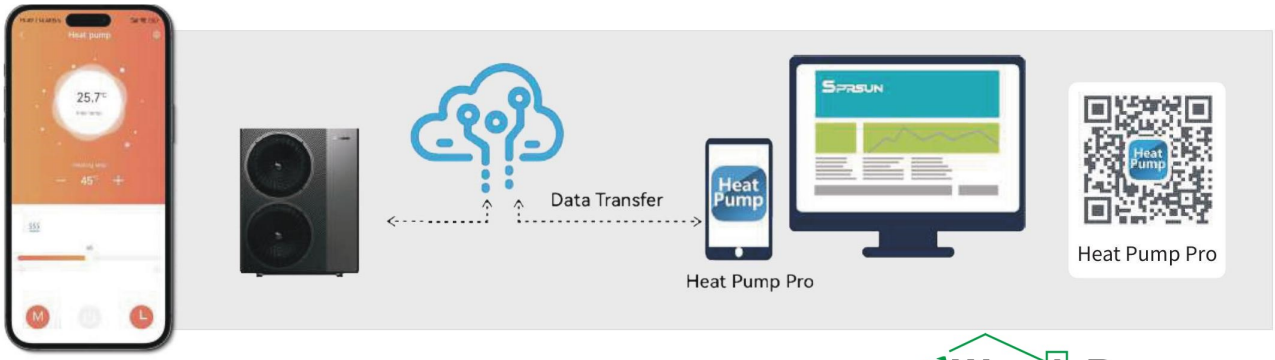
Working Principle

SPRSUN's self-developed smart control system is equipped with highly integrated control functions, which can be operated via a remote APP. The system is easy to manipulate, stable in performance, and is truly a smart operating system that realizes man-machine separation.

Remote Control with APP and PC Platform

The mobile phone APP and the PC background both can be opened to users. Additionally, local dealers can use the smart data platform to provide remote product inspections for users, offering convenient and prompt assistance in problem resolution.





GreenergyPro Series

R290 DC Inverter Air Source Heat Pumps

- Multiple Modes for Comfortable Use
- ERP A+++ High Energy Efficiency
- 75°C Max. Outlet Water Temperature
- -25°C Stable Running Ambient
- Built-in Water Pump
- Integrated Power Tracking
- CAREL Touch Screen Controller
- SG Ready

Smart Control System

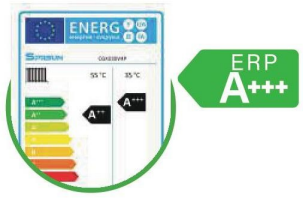
Equipped with a 4.3-inch color touchscreen, the GreenergyPro Series heat pump features a built-in electricity consumption statistics module, providing a real-time graphical display of power consumption and temperature.

Enhanced Safety Performance

The GreenergyPro Series heat pump is equipped with top-of-the-line safety explosion-proof components and features the independently developed "Safety Partition Chamber" design by SPRSUN, achieving a safety rating of A.

Energy Efficiency Rating A+++

The system offers tailored energy consumption settings for different heating requirements and also supports SG-Ready to help you save on electricity costs.



Vibration Reduction/Noise Reduction

The compressor incorporates dual noise reduction technology for quieter operation. Additionally, the heat pump system utilizes a spiral injection-molded noise reduction design and supports the selection of a nighttime silent mode.

Specifications

Model		CGK030V4P	CGK040V4P	CGK050V4P	CGK060V4P	CGK-030V4P	CGK-040V4P	CGK-050V4P	CGK-060V4P
Power Supply	V/Hz/Ph	220-240/50/1				380-420/50/3			
Heating condition: Ambient Temp : 7°C, Outlet water temp: 35°C									
Heating Capacity (EN14511-3)	kW	8.2	9.6	12.9	15	8	10.1	12.9	15
"C.O.P (EN14511-3)	W/W	3.95	3.8	3.7	3.83	3.9	4	3.7	3.83
Max. Heating Capacity	kW	9	11	15	18	9	11	15	18
C.O.P	W/W	4.14	4.18	4.06	4.12	4.14	4.18	4.06	4.12
Heating Capacity Min./Max.	kW	4.14 /9.00	5.06 /11.00	6.90 /15.00	8.28 /18.00	4.14 /9.00	5.06 /11.00	6.90 /15.00	8.28 /18.00
Heating Power Input Min./Max.	W	787 /2174	953 /2632	1307 /3695	1489 /4369	787 /2174	953 /2632	1307 /3695	1489 /4369
C.O.P Min./Max.	W/W	4.14/5.26	4.18/5.31	4.06/5.28	4.12/5.56	4.14/5.26	4.18/5.31	4.06/5.28	4.12/5.56
Heating condition: Ambient Temp : 7°C, Outlet water temp: 45°C									
Max. Heating Capacity	kW	8.4	10.2	13.7	17.2	8.4	10.2	13.7	17.2
C.O.P	W/W	3.41	3.65	3.50	3.61	3.41	3.65	3.50	3.61
Heating Capacity Min./Max.	kW	3.87 /8.42	4.71 /10.23	6.28 /13.65	7.91 /17.19	3.87 /8.42	4.71 /10.23	6.28 /13.65	7.91 /17.19
Heating power input Min./Max.	W	969 /2467	1166 /2800	1565 /3900	1871 /5215	969 /2541	1166 /3059	1565 /4203	1871 /5215
C.O.P Min./Max.	W/W	3.41 /4.00	3.65 /4.03	3.50 /4.01	3.30 /4.23	3.31 /4.00	3.34 /4.03	3.25 /4.01	3.30 /4.23
Cooling condition: Ambient Temp : 35°C, Outlet water temp: 18°C									
Max. Cooling Capacity	kW	8.0	9.7	13.0	16.3	8.0	9.7	13.0	16.3
E.E.R	W/W	3.31	3.54	3.39	3.50	3.31	3.54	3.39	3.50
Cooling Capacity Min./Max.	kW	3.68 /7.99	4.47 /9.72	5.97 /12.97	7.51 /16.33	3.68 /7.99	4.47 /9.72	5.97 /12.97	7.51 /16.33
Cooling Power Input Min./Max.	W	939 /2416	1131 /2742	1517 /3820	1813 /4659	939 /2416	1131 /2742	1517 /3820	1813 /4659
E.E.R Min./Max.	W/W	3.31 /3.92	3.54 /3.95	3.39 /3.93	3.50 /4.14	3.31 /3.92	3.54 /3.95	3.39 /3.93	3.50 /4.14
Cooling condition: Ambient Temp : 35°C, Outlet water temp: 7°C									
Max. Cooling Capacity	kW	6.8	7.6	10.6	12.4	6.8	7.6	10.6	12.4
E.E.R	W/W	2.50	2.50	2.40	2.40	2.50	2.50	2.40	2.40
Cooling Capacity Min./Max.	kW	3.13 /6.80	3.50 /7.60	4.88 /10.60	5.70 /12.40	3.13 /6.80	3.50 /7.60	4.88 /10.60	5.70 /12.40
Cooling Power Input Min./Max.	W	908 /2720	1005 /3040	1410 /4417	1565 /5167	908 /2720	1005 /3040	1410 /4417	1565 /5167
E.E.R Min./Max.	W/W	2.50 /3.45	2.50 /3.48	2.40 /3.46	2.40 /3.65	2.50 /3.45	2.50 /3.48	2.40 /3.46	2.40 /3.65
Max Power Input	kW	4.36	5.05	6.80	7.83	4.31	5.05	6.80	7.83
Max Current	A	20.86	24.16	32.54	37.48	9.09	10.66	14.35	16.53
Pump model	/	Grundfos/Shinhoo							
Sound pressure level(1m)	dB(A)	41.2~50.6	40.4~49.2	40.4~50.8	44.7~51	41.2~49.7	41.1~52	41.7~50.7	42.4~49
Sound power level(1m)	dB(A)	60.7	59.8	62.1	63.2	60.3	61.6	61.6	61.1
Refrigerant	/	R290							
ErP Level(35° C)	/	A+++							
Cabinet Type	/	Weather-resistant pp+Galanizedsheet metal+ABS							
Net Weight	kg	112	125	145	147	112	125	145	147
Carton gross Weight	kg	125	138	160	172	125	138	160	172
Net Dimension(L×D×H)	mm	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355
Carton packing Dimension(L×D×H)	mm	1165*505*960	1165*505*1100	1165*505*1520	1165*505*1520	1165*505*960	1165*505*1100	1165*505*1520	1165*505*1520

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Greenergy Series

R290 DC Inverter Air Source Heat Pumps

Super Quiet

The Greenergy series air source heat pumps support ultra-quiet operation as low as 40dB(A). The new "silent compartment" noise reduction technology ensures that your home life is not disturbed by noise.

User-friendly Design

The heat pumps support one-click switching of multiple modes. The brushless DC variable frequency control technology allows for more precise temperature control and a more comfortable user experience.

Intelligent Control and Connectivity

SPRSUN has developed a smart control system that allows for remote access through different platforms, including PCs and mobiles. This system enables cloud data synchronization and on-the-go heat pump management from anywhere, anytime.

ERP A+++ Performance

This heat pump uses high-efficiency DC inverter compressors and motors, with a high system efficiency and stable operation, saving energy costs for users.

NEW

Multiple Modes for Comfortable Use

ERP A+++ High Energy Efficiency

75°C Max. Outlet Water Temperature

-25°C -25° C Stable Running Ambient

Built-in Water Pump

Touch Screen Controller

WIFI Control

Super Quiet

SG Ready

Specifications

Model		CGK020V4P-B	CGK030V4P-B	CGK040V4P-B	CGK050V4P-B	CGK-030V4P-B	CGK-040V4P-B	CGK-050V4P-B
Power Supply	V/Hz/Ph	220-240/50/1				380-420/50/3		
Heating condition: Ambient Temp：7°C , Outlet water temp：35°C								
Heating Capacity Min./Max.	kW	2.20/6.50	3.15/9.10	4.35/12.00	5.60/15.20	3.15/9.10	4.35/12.00	5.60/15.20
Heating Power Input Min./Max.	W	441/1477	626/2167	885/3073	1125/3900	626/2167	885/3073	1125/3900
C.O.P Min./Max.	W/W	4.40/4.99	4.20/5.03	3.90/4.92	3.95/4.98	4.20/5.03	3.90/4.92	3.95/4.98
Cooling condition: Ambient Temp：35°C , Outlet water temp：7°C								
Max. Cooling Capacity	kW	4.45	5.63	7.2	10.2	5.63	7.2	10.2
E.E.R	W/W	2.87	2.66	2.62	2.6	2.66	2.62	2.6
Cooling Capacity Min./Max.	kW	1.53/4.45	2.10/5.63	3.58/7.20	4.52/10.20	2.10/5.63	3.58/7.20	4.52/10.20
Cooling Power Input Min./Max.	W	443/1551	612/2117	1213/2748	1520/3923	612/2117	1213/2748	1520/3923
E.E.R Min./Max.	W/W	2.87/3.45	2.66/3.43	2.73/3.06	2.84/3.09	2.66/3.43	2.73/3.06	2.84/3.09
Max Power Input	kW	3.00	4.00	5.00	6.30	4.00	5.00	6.30
Max Current	A	14.35	19.14	23.92	30.14	8.44	10.55	13.29
ErP Level(35° C)	/				A+++			
Refrigerant	/				R290			
Cabinet Type					Galvanized steel painting+ABS			
Net Dimension(L*D*H)	mm	1053*475*755	1110*475*810	1110*475*960	1110*475*1355	1110*475*810	1110*475*960	1110*475*1355
Carton packing Dimension(L*D*H)	mm	1115*505*910	1165*505*960	1165*505*1100	1165*505*1520	1165*505*960	1165*505*1100	1165*505*1520
Splint packing Dimension(L*D*H)	mm	1150*530*920	1200*530*970	1200*530*1120	1200*530*1510	1220*530*970	1200*530*1120	1200*530*1510

This product is new and the information in this document is for reference only. Since the continuous improvement and control in the production process, the information contained in this document may be subject to change. Please refer to the nameplate on the machine for model specifications.

ClimaPro Series

R32 DC Inverter Air Source Heat Pumps

- Multiple Modes for Comfortable Use
- ERP A+++ Performance
- Stable Running Ambient
- Reduced Noise
- WIFI Control
- CAREL Controller
- KEYMARK Certification
- SG Ready

EVI Ultra-Low Temperature

This unit supports stable operation in temperatures ranging from -25°C to 45°C and features dual anti-freezing protection.

Smart Control System

The smart system adopts the CAREL dot matrix display controller, characterized by a low failure rate and stable operation. It also enables remote real-time monitoring of system operation status, one-click updates, and intelligent defrosting.

KEYMARK Certification

The ClimaPro Series heat pump has obtained KEYMARK Certification, demonstrating the unit's outstanding quality and stable product performance.

High Energy Efficiency

The ClimaPro Series heat pump boasts the highest energy efficiency rating of A+++ in Europe, with a maximum COP of up to 5.95.

Specifications

Model		CGK015V3L	CGK025V3L	CGK030V3L	CGK040V3L	CGK050V3L	CGK060V3L	CGK-025V3L	CGK-030V3L	CGK-040V3L	CGK-050V3L	CGK-060V3L	CGK-080V3L	CGK-100V3L
Power Supply	V/Hz/Ph	220-240/50/1						380-420/50/3						
Heating condition: water inlet/outlet temperature: 30°C /35°C , Ambient temperature: DB 7°C /WB 6°C														
Max. Heating Capacity	kW	6	9.5	12	16	20	22	9.5	12	16	20	22	29	34.5
C.O.P	W/W	4.45	4.58	4.45	4.71	4.75	4.62	4.58	4.45	4.71	4.76	4.65	4.3	4.6
Heating Capacity Min./Max.	kW	2.76/6	4.37/9.5	5.52/12	7.36/16	9.2/20	10.12/22	4.37/9.5	5.52/12	7.36/16	9.2/20	10.12/22	13.34/29	15.87/34.5
Heating Power Input Min./Max.	W	496 /1348	763 /2074	992 /2697	1250 /3397	1549 /4211	1752 /4762	763 /2074	992 /2697	1250 /3397	1546 /4202	1741 /4731	2482 /6744	2760 /7500
C.O.P Min./Max.	W/W	4.45/5.56	4.58/5.73	4.45/5.56	4.71/5.89	4.75/5.94	4.62/5.78	4.58/5.73	4.45/5.56	4.71/5.89	4.76/5.95	4.65/5.81	4.3/5.38	4.6/5.75
Heating condition: water inlet/outlet temperature: 40°C /45°C , Ambient temperature: DB 7°C /WB 6°C														
Max. Heating Capacity	kW	5.8	9.1	11.5	15.4	19.2	21.1	9.1	11.5	15.4	19.2	21.1	29.2	33.8
C.O.P	W/W	3.60	3.71	3.60	3.82	3.85	3.70	3.71	3.60	3.82	3.81	3.60	3.5	3.77
Heating Capacity Min./Max.	kW	2.65 /5.76	4.20 /9.12	5.30 /11.52	7.07 /15.36	8.83 /19.20	9.72 /21.12	4.20 /9.12	5.30 /11.52	7.07 /15.36	8.83 /19.20	9.72 /21.12	13.43 /29.20	15.55 /33.81
Heating power input Min./Max.	W	627 /1618	964 /2489	1254 /3236	1579 /4076	1957 /5053	2214 /5714	964 /2489	1254 /3236	1579 /4076	1953 /5042	2199 /5677	3288 /8488	3559 /9188
C.O.P Min./Max.	W/W	3.56 /4.23	3.66 /4.35	3.56 /4.23	3.77 /4.47	3.80 /4.51	3.70 /4.39	3.66 /4.35	3.56 /4.23	3.77 /4.47	3.81 /4.52	3.72 /4.42	3.44 /4.09	3.68 /4.37
Cooling condition: water inlet/outlet temperature: 23°C /18°C , Ambient temperature: DB35°C /WB24°C														
Max. Cooling Capacity	kW	5.5	8.7	10.9	14.6	18.2	20.1	8.7	10.9	14.6	18.2	20.1	27.7	32.1
E.E.R	W/W	3.50	3.60	3.50	3.70	3.73	3.59	3.60	3.50	3.70	3.69	3.50	3.4	3.66
Cooling Capacity Min./Max.	kW	2.52 /5.47	3.99 /8.66	5.03 /10.94	6.71 /14.59	8.39 /18.24	9.23 /20.06	3.99 /8.66	5.03 /10.94	6.71 /14.59	8.39 /18.24	9.23 /20.06	12.76 /27.74	14.77 /32.12
Cooling Power Input Min./Max.	W	608 /1852	935 /2849	1215 /3704	1531 /4666	1897 /5783	2146 /6540	935 /2849	1215 /3704	1531 /4666	1893 /5771	2132 /6498	3187 /9716	3450 /10516
E.E.R Min./Max.	W/W	2.95 /4.14	3.04 /4.26	2.95 /4.14	3.13 /4.39	3.15 /4.42	3.07 /4.30	3.04 /4.26	2.95 /4.14	3.13 /4.39	3.16 /4.43	3.09 /4.33	2.86 /4.00	3.05 /4.28
Cooling condition: water inlet/outlet temperature: 12°C /7°C , Ambient temperature: DB35°C /WB24°C														
Max. Cooling Capacity	kW	3.9	6.2	8.6	10.4	14.4	15.8	6.2	8.6	10.4	14.4	15.8	19	20.8
E.E.R	W/W	2.52	2.59	2.62	2.66	2.80	2.69	2.59	2.62	2.66	2.77	2.62	2.55	2.6
Cooling Capacity Min./Max.	kW	1.80 /3.92	2.85 /6.20	3.97 /8.64	4.80 /10.44	6.62 /14.40	7.29 /15.84	2.85 /6.20	3.97 /8.64	4.80 /10.44	6.62 /14.40	7.29 /15.84	8.74 /19.00	9.57 /20.80
Cooling Power Input Min./Max.	W	494 /1559	760 /2399	1090 /3440	1245 /3929	1702 /5371	1925 /6075	760 /2399	1090 /3440	1245 /3929	1699 /5360	1913 /6036	2481 /7829	2539 /8012
E.E.R Min./Max.	W/W	2.51 /3.65	2.58 /3.75	2.51 /3.65	2.66 /3.86	2.68 /3.89	2.61 /3.79	2.58 /3.75	2.51 /3.65	2.66 /3.86	2.69 /3.90	2.62 /3.81	2.43 /3.52	2.60 /3.77
Rated Current	A	6.5	9.9	12.9	16.3	20.1	22.8	4.4	5.7	7.2	8.9	10.0	14.2	15.8
Max Power Input	kW	2.0	3.0	3.9	4.9	6.1	6.9	3.0	3.9	4.9	6.1	6.9	9.8	10.9
Max Current	A	9.4	14.4	18.7	23.6	29.2	33.0	6.3	8.3	10.4	12.9	14.5	20.6	22.9
Sound pressure level(1m)	dB(A)	40.8~50.8	41.6~50.1	41.4~51.5	46.9~57.1	44.1~54.1	41.6~55.4	38.7~49.4	41.2~51.4	42~55.4	42.8~54	46.6~54.7	51.2~60.6	53.2~63.6
Sound power Level(1M)	dB	60.1	61.1	63.2	67.5	66.5	69.5	61.4	63.7	67	66.1	67.9	72.5	75
Refrigerant	/	R32												
ErP Level(35° C)	/	A+++												
Cabinet Type	/	Galvanized steel painting												
Net Weight	Kg	59	80	88	98	124	124	80	88	98	124	124	160	260
Gross Weight	Kg	80	108	116	126	161	161	108	116	126	161	161	198	305
Net Dimension(L × D × H)	mm	990*375*655	1110*475*810	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*810	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*1455	950*900*1950
Packing Dimension(L × D × H)	mm	1070*405*800	1200*540*970	1200*540*970	1200*540*1120	1200*540*1510	1200*540*1510	1200*540*970	1220*540*970	1200*540*1120	1200*540*1510	1200*540*1510	1200*540*1610	1020*960*2125

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Clima Series

R32 DC Inverter Air Source Heat Pumps

- Multiple Modes for Comfortable Use
- ERP A+++ Performance
- Stable Running Ambient
- Touch Screen Controller
- Reduced Noise
- WIFI Control
- KEYMARK Certification
- SG Ready

Comfortable and Efficient

SPRSUN's all-DC inverter technology allows the heat pump to adjust its frequency according to actual heating needs. This technology enables the heat pump to provide comfortable temperatures while saving energy, with the highest COP reaching 5.90.

EVI Ultra-low Temperature

Designed for extremely cold climate areas, utilizing a high-efficiency EVI system and the intelligent control system independently developed by SPRSUN, it can operate stably at temperatures as low as -30 degrees.

5-inch Color Touchscreen

Featuring a large 5-inch color touchscreen, it is not only easy to operate but also attractive in design.

Intelligent Defrost

SPRSUN has independently developed a PID intelligent defrost control mode. When defrosting conditions are met, it will automatically enter defrost mode to prevent chaotic defrosting and energy consumption, thereby increasing defrosting efficiency and the overall reliability and economy of the unit.

Specifications

Model		CGK015V3L-B	CGK025V3L-B	CGK030V3L-B	CGK040V3L-B	CGK050V3L-B	CGK060V3L-B	CGK-025V3L-B	CGK-030V3L-B	CGK-040V3L-B	CGK-050V3L-B	CGK-060V3L-B	CGK-080V3L-B	CGK-100V3L-B
Power Supply	V/Hz/Ph	220-240/50/1						380-420/50/3						
Heating condition: water inlet/outlet temperature: 30°C /35°C , Ambient temperature: DB 7°C /WB 6°C ;														
Max. Heating Capacity	kW	6	9.4	11.6	15.8	19.8	21.8	9.4	11.6	15.8	19.8	21.8	29	34.5
C.O.P	W/W	4.45	4.56	4.41	4.61	4.71	4.61	4.56	4.42	4.62	4.72	4.62	4.3	4.6
Heating Capacity Min./Max.	kW	2.76/6	4.32 /9.40	5.34 /11.60	7.27 /15.80	9.11 /19.80	10.03 /21.80	4.32 /9.40	5.34 /11.60	7.27 /15.80	9.11 /19.80	10.03 /21.80	13.34 /29.00	15.87 /34.50
Heating Power Input Min./Max.	W	496 /1348	759 /2061	968 /2630	1261 /3427	1547 /4204	1740 /4729	759 /2061	966 /2624	1259 /3420	1544 /4195	1736 /4719	2482 /6744	27 60 /7500
C.O.P Min./Max.	W/W	4.45/5.56	4.56/5.70	4.41/5.51	4.61/5.76	4.71/5.89	4.61/5.76	4.56/5.70	4.42/5.53	4.62/5.78	4.72/5.90	4.62/5.78	4.3/5.38	4.6/5.75
Heating condition: water inlet/outlet temperature: 40°C /45°C , Ambient temperature: DB 7°C /WB 6°C ;														
Max. Heating Capacity	kW	5.8	9.0	11.1	15.2	19.0	20.9	9.0	11.1	15.2	19.0	20.9	27.8	33.1
C.O.P	W/W	3.56	3.65	3.53	3.69	3.77	3.69	3.65	3.54	3.70	3.78	3.70	3.44	3.72
Heating Capacity Min./Max.	kW	2.65 /5.76	4.15 /9.02	5.12 /11.14	6.98 /15.17	8.74 /19.01	9.63 /20.93	4.15 /9.02	5.12 /11.14	6.98 /15.17	8.74 /19.01	9.63 /20.93	12.81 /27.84	15.24 /33.12
Heating power input Min./Max.	W	595 /1618	958 /2474	1223 /3156	1593 /4113	1954 /5045	2198 /5675	958 /2474	1220 /3149	1590 /4104	1950 /5034	2193 /5662	3135 /8093	3486 /9000
C.O.P Min./Max.	W/W	3.56 /4.45	3.65 /4.33	3.53 /4.19	3.69 /4.38	3.77 /4.47	3.69 /4.38	3.65 /4.33	3.54 /4.20	3.70 /4.39	3.78 /4.48	3.70 /4.39	3.44 /4.09	3.68 /4.37
Cooling condition: water inlet/outlet temperature: 23°C /18°C , Ambient temperature: DB35°C /WB24°C ;														
Max. Cooling Capacity	kW	5.5	8.6	10.6	14.4	18.1	19.9	8.6	10.6	14.4	18.1	19.9	26.4	31.5
E.E.R	W/W	3.45	3.54	3.42	3.58	3.65	3.58	3.54	3.43	3.59	3.66	3.59	3.34	3.61
Cooling Capacity Min./Max.	kW	2.52 /5.47	3.94 /8.57	4.87 /10.58	6.63 /14.41	8.31 /18.06	9.15 /19.88	3.94 /8.57	4.87 /10.58	6.63 /14.41	8.31 /18.06	9.15 /19.88	12.17 /26.45	14.47 /31.46
Cooling Power Input Min./Max.	W	577 /1852	929 /2423	1185 /3091	1544 /4028	1894 /4941	2131 /5558	929 /2423	1183 /3084	1541 /4019	1890 /4930	2126 /5546	3039 /7926	3380 /8720
E.E.R Min./Max.	W/W	2.95 /4.36	3.54 /4.25	3.42 /4.11	3.58 /4.29	3.65 /4.39	3.58 /4.29	3.54 /4.25	3.43 /4.12	3.59 /4.30	3.66 /4.39	3.59 /4.30	3.34 /4.00	3.61 /4.28
Cooling condition: water inlet/outlet temperature: 12°C /7°C , Ambient temperature: DB35°C /WB24°C ;														
Max. Cooling Capacity	kW	4.3	6.0	7.5	10.2	12.7	14.0	6.0	7.5	10.2	12.7	14.0	19.0	20.8
E.E.R	W/W	2.59	2.48	2.40	2.50	2.56	2.50	2.48	2.40	2.51	2.56	2.51	2.60	2.6
Cooling Capacity Min./Max.	kW	1.99 /4.32	2.78 /6.05	3.43 /7.46	4.67 /10.16	5.86 /12.74	6.45 /14.02	2.78 /6.05	3.43 /7.46	4.67 /10.16	5.86 /12.74	6.45 /14.02	8.74 /19.00	9.57 /20.80
Cooling Power Input Min./Max.	W	506 /1720	744 /2441	950 /3115	1238 /4058	1518 /4978	1708 /5599	744 /2441	948 /3108	1235 /4049	1515 /4967	1704 /5587	2481 /7308	2539 /8000
E.E.R Min./Max.	W/W	2.51 /3.92	2.48 /3.74	2.40 /3.61	2.50 /3.78	2.56 /3.86	2.50 /3.78	2.48 /3.74	2.40 /3.62	2.51 /3.79	2.56 /3.87	2.51 /3.79	2.60 /3.52	2.60 /3.77
Max Power Input	kW	2.02	3.09	3.95	5.14	6.31	7.09	3.09	3.94	5.13	6.29	7.08	10.12	11.25
Max Current	A	9.68	14.79	18.88	24.60	30.17	33.94	6.53	8.31	10.83	13.28	14.94	21.35	23.74
Wire diameter	mm^2	2.5	4.0	4.0	6.0	6.0	6.0	2.5	2.5	2.5	4.0	4.0	4.0	5.0
Sound pressure level(1m)	dB(A)	42.7~50.8	46~53.2	46.2~56.7	44.6~57.5	48.3~58.2	40.4~50.2	44.2~52.6	41.4~55.9	43.3~55	48.8~59	51.2~60.6	51.2~60.6	53.2~63.6
Sound power Level	dB	62.1	65.7	67.2	68.8	70.8	62.1	64.7	67.7	68.3	73.1	72.5	72.5	75
Refrigerant	/	R32												
ErP Level(35° C)	/	A+++												
Cabinet Type		Galvanized steel painting												
Net Weight	kg	59	78	88	105	124	124	78	88	105	124	124	150	260
Gross Weight	kg	70	101	105	120	150	150	101	105	120	150	150	183	/
Net Dimension(L*D*H)	mm	990*375*655	1110*475*810	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*810	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*1455	/
Packing Dimension(L*D*H)	mm	1100*460*725	1165*490*960	1165*490*960	1165*490*1100	1165*490*1520	1165*490*1520	1165*490*960	1165*490*960	1165*490*1100	1165*490*1520	1165*490*1520	1165*490*1590	950*900*1950

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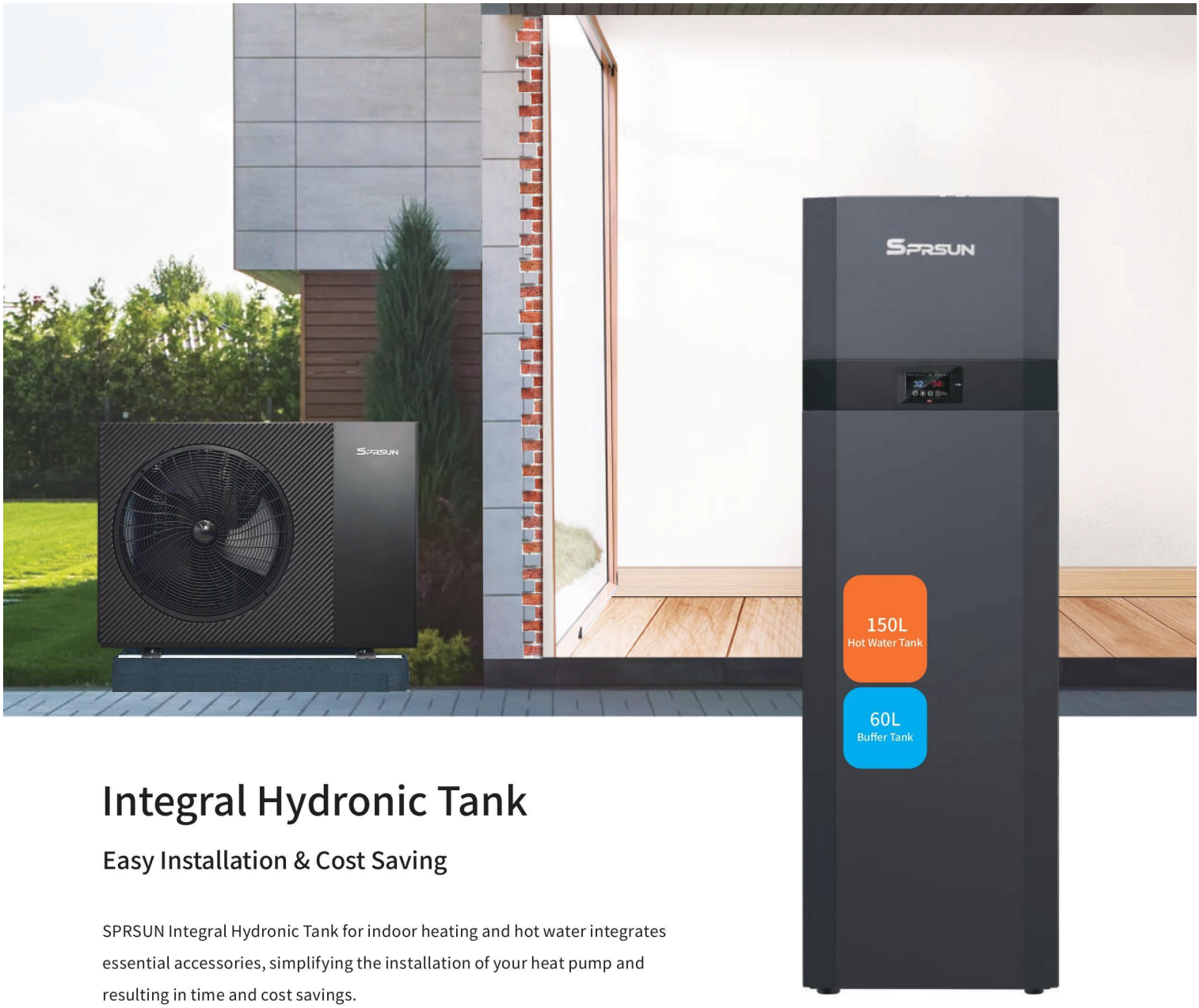
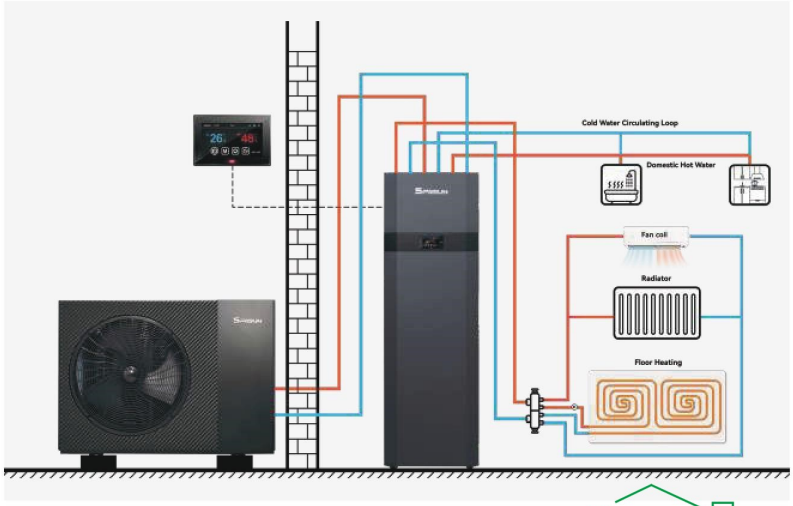


Integral Hydronic Tank

Easy Installation & Cost Saving

SPRSUN Integral Hydronic Tank for indoor heating and hot water integrates essential accessories, simplifying the installation of your heat pump and resulting in time and cost savings.

- Efficient Heating
- Dual Temperature Zone Control
- Increase The Stability of The Unit
- Zero Cold Water Control
- Dual Safety Protection
- Adaptable with Solar Water Heater



Super Easy Installation

This multifunctional water tank can help users save about 50% of installation time and labor costs, making the installation of the heat pump simple.

Dual Temperature Zone Control

It supports dual temperature zone control, allowing for more precise adjustment of room temperatures according to user needs.When used for domestic hot water, it can achieve zero cold water control, providing users with stable and comfortable hot water.

Dual Safety Protection

This water tank features dual dry-burning and temperature control protection to help the heat pump operate stably, reducing unit failure rate and maintenance costs.

High Integration

Various important accessories, such as hot water tanks, buffer tanks, expansion tanks, and three-way valves, have been highly integrated into its scientific design, saving more space.

Specifications

		High-End Version		Standard Version	
	Model	CGH06HR150	CGH-06HR150	CGH06HR150-B	CGH-06HR150-B
Main Configuration	Controller Brand	CAREL		SPRSUN	
	Package	Splint		Splint/carton	
	Electric Heater	3kW/220-240V~	3kW/380V~	3kW/220-240V~	3kW/380V~
	Sheet Metal	Galvanized plate sand gray + matte black spray			
	3-Way Valve	DN25			
	Expansion Tank (L)	5			
	AC Contactor (A)	32A (Explosion proof relay)			
	Heat Exchange Coil (SUS304 corrugated pipe)	DN32*15m			
	others	Built-in drain valve and exhaust valve			
Parameters	Buffer water tank	60L			
	Hot water tank	150L			
	Exhaust Pipe Size	DN15 (Female thread)			
	Power Supply	220-240 ~	380-420 2N~	220-240 ~	380-420 2N~
	Power	Hot water electric heater 3KW + heating electric heater 3KW			
	Current (A)	13.6A+13.6A	7.8A+7.8A	13.6A+13.6A	7.8A+7.8A
	Max. water temp.	75℃			
	Net Weight (kg)	126kg			
	Net Dimension	585*630*1865mm			
	Splint Packaging Dimension	670*715*2045mm			
	Suitable models	CGK030V4P、CGK040V4P、CGK050V4P、CGK060V4P、CGK-030V4P、CGK-040V4P、CGK-050V4P、CGK-060V4P"	CGK-030V4P、CGK-040V4P、CGK-050V4P、CGK-060V4P、	CGK030V4P-B、CGK040V4P-B、CGK050V4P-B、CGK060V4P-B、CGK0-30V4P-B、CGK-040V4P-B、CGK-050V4P-B、CGK-060V4P-B"	CGK-030V4P-B、CGK-040V4P-B、CGK-050V4P-B、CGK-060V4P-B、
	Note: If the 380V model uses the CGH06HR150-B Integral Hydronic Tank, you need to pay attention to whether the power supply can withstand the current of the Integral Hydronic Tank. Connecting cables, circuit breakers, etc. require additional configuration by the user.				

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Icefield-M Series

R410A DC Inverter Air Source Heat Pumps

Multiple Modes for Comfortable Use

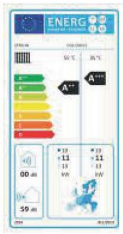
Intelligent Defrosting

Max.COP 5.65
High Energy Efficiency

ERP A+++
ERP A+++ Performance

WIFI Control

CAREL Controller



Higher Energy Efficiency

Achieving the ERP A+++ energy class, our DC inverter heat pumps save energy by more than 30% compared with ordinary air source heat pumps.

Intelligent Defrosting

The smart defrosting technology makes optimal defrosting decisions to minimize energy consumption and improve customer satisfaction.

Smart Control

The intelligent CAREL controller with RS485 / WIFI APP is adopted to realize the linkage control between the heat pump unit and the terminal application end. With the Cascade function, multiple units can be controlled with one panel.

Low Noise

With Panasonic rotary compressor and DC inverter brushless fans, our DC inverter heat pumps adopt new noise reduction measures so that the sound of the unit is controlled at a satisfactory level.

Specifications

Model		CGK020V2	CGK030V2	CGK040V2	CGK050V2	CGK060V2	CGK-030V2	CGK-040V2	CGK-050V2	CGK-060V2	CGK-080V2	CGK-100V2
Power Supply / Refrigerant	V/Hz/Ph	220-240/50/1 - R410A					380-420/50/3 - R410A					
Heating condition: water inlet/outlet temperature: 30℃ /35℃ , Ambient temperature: DB 7℃ /WB 6℃												
Max. Heating Capacity	kW	7.5	9.5	12.5	16.5	18.5	9.6	12.5	16.6	18.6	26	32
C.O.P	W/W	4.45	4.45	4.45	4.48	4.39	4.45	4.52	4.52	4.42	4.52	4.42
Heating Capacity Min./Max.	kW	3.45/7.5	4.37/9.5	5.75/12.5	7.59/16.5	8.51/18.5	4.416/9.6	5.75/12.5	7.636/16.6	8.556/18.6	11.96/26	14.72/32
Heating Power Input Min./Max.	W	620 /1685	786/2135	1034/2809	1355/3683	1551/4214	794/2157	1018/2765	1352/3673	1549/4208	2117/5752	2664/7240
C.O.P Min./Max.	W/W	4.45/5.56	4.45/5.56	4.45/5.56	4.48/5.60	4.39/5.49	4.45/5.56	4.52/5.65	4.52/5.65	4.42/5.53	4.52/5.65	4.42/5.53
Heating condition: water inlet/outlet temperature: 40℃ /45℃ , Ambient temperature: DB 7℃ /WB 6℃												
Max. Heating Capacity	kW	7.1	8.9	11.8	15.5	17.4	9.0	11.8	15.6	17.5	24.4	30.1
C.O.P	W/W	3.65	3.60	3.60	3.58	3.40	3.60	3.62	3.62	3.43	3.62	3.43
Heating Capacity Min./Max.	kW	3.24/7.05	4.11/8.93	5.41/11.75	7.13/15.51	8.00/17.39	4.15/9.02	5.41/11.75	7.18/15.60	8.04/17.48	11.24/24.44	13.84/30.08
Heating power input Min./Max.	W	767/1980	972/2508	1279/3301	1676/4328	1918/4952	982/2535	1259/3249	1672/4315	1915/4945	2618/6759	3295/8507
C.O.P Min./Max.	W/W	3.56/4.23	3.56/4.23	3.56/4.23	3.58/4.26	3.51/4.17	3.56/4.23	3.62/4.29	3.62/4.29	3.54/4.20	3.62/4.29	3.54/4.20
Cooling condition: water inlet/outlet temperature: 23℃ /18℃ , Ambient temperature: DB35℃ /WB24℃												
Max. Cooling Capacity	kW	6.7	8.5	11.2	14.7	16.5	8.6	11.2	14.8	16.6	23.2	28.6
E.E.R	W/W	3.54	3.50	3.50	3.48	3.30	3.50	3.51	3.51	3.32	3.51	3.32
Cooling Capacity Min./Max.	kW	3.08/6.70	3.90/8.48	5.13/11.16	6.78/14.73	7.60/16.52	3.94/8.57	5.13/11.16	6.82/14.82	7.64/16.61	10.68/23.22	13.14/28.58
Cooling Power Input Min./Max.	W	744/2267	942/2871	1239/3778	1625/4953	1859/5667	952/2901	1220/3719	1620/4939	1857/5659	2538/7736	3194/9737
E.E.R Min./Max.	W/W	2.95/4.14	2.95/4.14	2.95/4.14	2.97/4.17	2.91/4.09	2.95/4.14	3.00/4.21	3.00/4.21	2.93/4.12	3.00/4.21	2.93/4.12
Cooling condition: water inlet/outlet temperature: 12℃ /7℃ , Ambient temperature: DB35℃ /WB24℃												
Max. Cooling Capacity	kW	5.3	6.7	8.8	11.6	13.0	6.8	8.8	11.7	13.1	18.3	22.6
E.E.R	W/W	2.65	2.62	2.62	2.61	2.48	2.62	2.63	2.63	2.49	2.63	2.49
Cooling Capacity Min./Max.	kW	2.43/5.29	3.08/6.70	4.05/8.81	5.35/11.63	6.00/13.04	3.11/6.77	4.05/8.81	5.38/11.70	6.03/13.11	8.43/18.33	10.38/22.56
Cooling Power Input Min./Max.	W	667 /2105	845/2667	1112/3509	1458/4601	1668/5264	854/2695	1095/3454	1454/4587	1666/5256	2277/7185	2866/9043
E.E.R Min./Max.	W/W	2.51/3.65	2.51/3.65	2.51/3.65	2.53/3.67	2.48/3.60	2.51/3.65	2.55/3.70	2.55/3.70	2.49/3.62	2.55/3.70	2.49/3.62
Rated Current	A	8.1	10.2	13.4	17.6	20.2	4.6	5.8	7.8	8.9	15.2	19.1
Max Power Input	kW	2.4	3.1	4.1	5.3	6.1	3.1	4.0	5.3	6.1	10.4	13.1
Max Current	A	11.69	14.81	19.49	25.55	29.24	6.60	8.46	11.24	12.88	21.99	27.67
Sound power Level	dB(A)	57	59	60	61	62	59	60	61	62	62	63
Refrigerant	/	R410A										
Cabinet Type	/	Galvanized steel painting										
Net Weight	Kg	78	88	98	128	128	88	98	128	128	150	260
Gross Weight	Kg	105	114	126	161	161	114	126	161	161	176	295
Net Dimension(L*D*H)	mm	1110*475*810	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*810	1110*475*960	1110*475*1355	1110*475*1355	1110*475*1455	950*900*1950
Packing Dimension(L*D*H)	mm	1220*540*970	1200*540*970	1200*540*1120	1200*540*1510	1200*540*1510	1200*540*970	1200*540*1120	1200*540*1510	1200*540*1510	1200*540*1610	1020*960*2125

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Icefield-S Series

R410A Split Inverter Air Source Heat Pumps

Multiple Modes for Comfortable Use

Intelligent Defrosting

Max.COP 5.60
High Energy Efficiency

ERP A+++
ERP A+++ Performance

WIFI Control

CAREL Controller

Anti-freezing Protection

Split model design to better avoid freezing problem. Automatic anti-freezing protection by detecting system water temperature.

Improved Heating Efficiency

To save energy, it will automatically change to low frequency operation mode when temperature reaches set value.

Low Noise Operation

Thanks to the DC inverter brushless fans, our split EVI DC inverter heat pumps are operating with sound insulation measures to ensure you have a super low noise unit.

Reduced Defrosting Time

When the unit needs defrosting, it will use high frequency operation, which greatly reduces the defrosting time.

Specifications

Model		CGK030V2LS	CGK050V2LS	CGK060V2LS	CGK-030V2LS	CGK-050V2LS	CGK-060V2LS
Power Supply	V/HzPh	220-240/50/1			380-420/50/3		
Heating condition: water inlet/outlet temperature: 30°C /35°C , Ambient temperature: DB 7°C /WB 6°C							
Max. Heating Capacity	kW	9.6	16.8	18.8	9.8	16.9	18.9
C.O.P	W/W	4.45	4.48	4.39	4.45	4.48	4.39
Heating Capacity Min./Max.	kW	4.416/9.6	7.728/16.8	8.648/18.8	4.508/9.8	7.774/16.9	8.694/18.9
Heating Power Input Min./Max.	W	794/2157	1380/3750	1576/4282	810/2202	1388/3772	1584 /4305
C.O.P Min./Max.	W/W	4.45/5.56	4.48/5.60	4.39/5.49	4.45/5.56	4.48/5.60	4.39/5.49
Heating condition: water inlet/outlet temperature: 40°C /45°C , Ambient temperature: DB 7°C /WB 6°C							
Max. Heating Capacity	kW	9.0	15.8	17.7	9.2	15.9	17.8
C.O.P	W/W	3.60	3.58	3.40	3.60	3.58	3.40
Heating Capacity Min./Max.	kW	4.15/9.02	7.26/15.79	8.13/17.67	4.24/9.21	7.31/15.89	8.17 /17.77
Heating power input Min./Max.	W	982/2535	1707 /4406	1949/5032	1002/2588	1717/4432	1960/5059
C.O.P Min./Max.	W/W	3.56/4.23	3.58/4.26	3.51/4.17	3.56/4.23	3.58/4.26	3.51/4.17
Cooling condition: water inlet/outlet temperature: 23°C /18°C , Ambient temperature: DB35°C /WB24°C							
Max. Cooling Capacity	kW	7.9	13.9	15.6	8.1	14.0	15.6
E.E.R	W/W	3.50	3.48	3.30	3.50	3.48	3.30
Cooling Capacity Min./Max.	kW	3.65/7.94	6.39/13.90	7.15/15.55	3.73/8.11	6.43/13.98	7.19/15.63
Cooling Power Input Min./Max.	W	919/2688	1598/4672	1825/5335	938/2744	1607/4699	1834/5363
E.E.R Min./Max.	W/W	2.95/3.97	2.97/4.00	2.91/3.92	2.95/3.97	2.97/4.00	2.91/3.92
Cooling condition: water inlet/outlet temperature: 12°C /7°C , Ambient temperature: DB35°C /WB24°C							
Max. Cooling Capacity	kW	6.3	11.1	12.4	6.4	11.1	12.4
E.E.R	W/W	2.62	2.61	2.48	2.62	2.61	2.48
Cooling Capacity Min./Max.	kW	2.91/6.32	5.09/11.05	5.69/12.37	2.97/6.45	5.12/11.12	5.72 /12.44
Cooling Power Input Min./Max.	W	831/2672	1444/4645	1649/5305	848/2728	1453 /4673	1658/5333
E.E.R Min./Max.	W/W	2.36/3.50	2.38/3.52	2.33/3.45	2.36/3.50	2.38/3.52	2.33/3.45
Rated Current	A	10.3	17.9	20.5	4.6	8.0	9.1
Max Power Input	kW	3.1	5.4	6.2	3.2	5.5	6.2
Max Current	A	14.97	26.02	29.71	6.74	11.54	13.17
Sound power Level	dB	59	62	63	59	62	63
Expansion Tank	L		5			5	
Electric Heater	kW		3			3	
Electric Heater Current	A		14.4			6.3	
Grundfos Inverter Pump	/	UPMGEO 25-85-130					
Refrigerant	/	R410A					
Cabinet Type	/	Galvanized steel painting					
Outdoor Unit Weight	Kg	74	110	110	74	110	110
Outdoor Gross Weight	Kg	104	149	149	104	149	149
Indoor Unit Weight	Kg	38	42	42	38	42	42
Indoor Gross Weight	Kg	52	56	56	52	56	56
Indoor Unit Size (L × D × H)	mm	550*325*650					
Indoor Packing Size (L × D × H)	mm	650*450*840					
Outdoor Unit Size (L × D × H)	mm	1110*475*810	1110*475*1355	1110*475*1355	1110*475*810	1110*475*1355	1110*475*1355
Outdoor Packing Size (L × D × H)	mm	1235*540*970	1235*540*1510	1235*540*1510	1235*540*970	1235*540*1510	1235*540*1510

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Ocean Series

R32 DC Inverter Swimming Pool Heat Pumps

Reduced Noise

Max.COP 15.04

High Energy Efficiency

WIFI Control

Easy Installation

Advanced Energy-saving Performance

With COP as high as 15.04, the DC inverter pool heat pumps can change the operating frequency of the rotary compressors and fan motors based on the heating needs, greatly speeding up heating time and thus providing more heat compared with traditional pool heat pumps.

Work Silently in Your Backyard

By adopting step-less Panasonic inverter compressors and brushless Nidec DC fans, SPRSUN DC inverter pool heat pumps stay peaceful when heating or cooling your pool water due to its internal noise reduction measures. They provide great silence in your swimming environment, 10dB(A) lower than traditional domestic on/off pool heat pumps.

Intelligent Control System

SPRSUN R32 DC inverter swimming pool heat pumps adopt intelligent touch screen controller for users to easily adjust temperature and manage operation. They also have the Wi-Fi remote control function so that users can use their smartphones to monitor and control the working situation of their inverter pool heat pump anytime and anywhere.

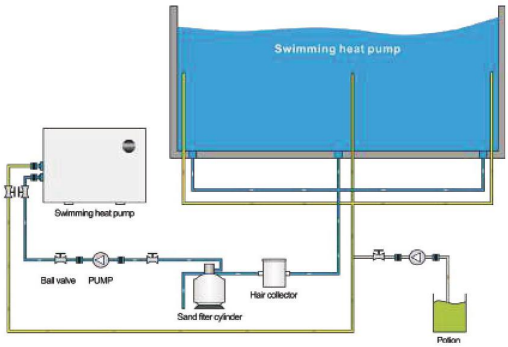
Supper Chemical Resistance to Avoid Corrosion

The full inverter pool heat pumps use Titanium Tube-in-Shell Heat Ex-changer with superior chemical resistance so as to avoid corrosion. Titanium is hard, corrosion-resistant, and heat-resistant, making it a great option for handling the high temperatures, water erosion, and the pressure required to run a pool heat exchanger.

Upgraded Installation Efficiency

When you have a new pool heat pump installed, you do not only consider costs, sizing, efficiency and durability, but also ease of installation. The cuboid design of the domestic inverter pool heat pump, concise and clean, is full of convenience sense, making it one of easiest heat pump pool heaters to install.

Installation Diagram



Specifications

Model		CGY015V3	CGY020V3	CGY025V3	CGY030V3	CGY035V3	CGY040V3	CGY050V3	CGY060V3	CGY-050V3	CGY-060V3	CGY-080V3
Advised Pool Volume	m3	15-20	20-30	25-40	30-60	40-80	50-100	50-100	60-120	50-100	60-120	80-140
Power Supply	V / Hz / Ph	220-240 / 50 / 1								380-420 / 50 / 3		
Refrigerant		R32										
Performance Condition: Air 27°C / Water 26°C / Humidity 80%												
Max. Heating Capacity	kW	6.5	9	10.5	14	17	23	28	30	28	32	39
C.O.P	W / W	6.9	7.52	7.45	7.41	7.28	7.32	7.05	7.04	7.05	7.04	6.98
Heating Capacity Min. / Max.	kW	2.02 / 6.5	2.79 / 9	3.26 / 10.5	4.34 / 14	5.27 / 17	7.13 / 23	8.68 / 28	9.30 / 30	8.68/28	9.92/32	12.09 / 39
Heating Power Input Min. / Max.	W	146 / 942	186 / 1197	218 / 1409	293 / 1889	362 / 2335	487 / 3142	616 / 3972	661 / 4261	616/3972	705/4545	866 / 5587
C.O.P Min. / Max.	W / W	6.9 / 13.80	7.52 / 15.04	7.45 / 14.90	7.41 / 14.82	7.28 / 14.56	7.32 / 14.64	7.05 / 14.10	7.04 / 14.08	7.05/14.10	7.04/14.08	6.98 / 13.96
Performance Condition: Air 15°C / Water 26°C / Humidity 70%												
Max. Heating Capacity	kW	4.7	6.5	7.6	10.1	12.2	16.6	20.2	21.6	20.2	23.0	28.1
C.O.P	W / W	4.80	5.23	5.18	5.15	5.06	5.09	4.90	4.89	4.90	4.89	4.85
Heating Capacity Min. / Max.	kW	1.50 / 4.68	2.07 / 6.48	2.42 / 7.56	3.23 / 10.08	3.92 / 12.24	5.30 / 16.56	6.45 / 20.16	6.91 / 21.60	6.45/20.16	7.37/23.04	8.99 / 28.08
Heating power input Min. / Max.	W	197 / 976	251 / 1240	295 / 1460	396 / 1957	489 / 2419	658 / 3255	832 / 4114	893 / 4415	832/4114	952/4709	1170 / 5788
C.O.P Min. / Max.	W / W	4.80 / 7.59	5.23 / 8.27	5.18 / 8.20	5.15 / 8.15	5.06 / 8.01	5.09 / 8.05	4.90 / 7.76	4.89 / 7.74	4.90/7.76	4.89/7.74	4.85 / 7.68
Performance condition: Air 35°C / Water 28°C / Humidity 64%												
Max. Cooling Capacity	kW	3.6	5.0	5.8	7.7	9.4	12.7	15.4	16.5	15.4	17.6	21.5
E.E.R	W / W	3.12	3.40	3.37	3.35	3.29	3.31	3.18	3.18	3.18	3.18	3.15
Cooling Capacity Min. / Max.		1.64 / 3.58	2.28 / 4.95	2.66 / 5.78	3.54 / 7.70	4.30 / 9.35	5.82 / 12.65	7.08 / 15.40	7.59 / 16.50	7.08/15.40	8.10/17.60	9.87 / 21.45
Cooling Power Input Min. / Max.	W	352 / 1147	447 / 1457	526 / 1716	705 / 2300	872 / 2843	1173 / 3825	1483 / 4835	1591 / 5188	1483/4835	1697/5534	2086 / 6803
E.E.R Min. / Max.	W / W	3.12 / 4.68	3.40 / 5.10	3.37 / 5.05	3.35 / 5.02	3.29 / 4.93	3.31 / 4.96	3.18 / 4.78	3.18 / 4.77	3.18/4.78	3.18/4.77	3.15 / 4.73
Rated Current	A	4.5	5.7	6.7	9.0	11.2	15.0	19.0	20.4	8.4	9.6	11.8
Max Current	A	6.5	8.3	9.8	13.1	16.2	21.80	27.55	29.56	12.15	13.91	17.10
Max Power Input	kW	1.34	1.70	2.00	2.68	3.32	4.46	5.64	6.05	5.64	6.45	7.93
Sound power Level	dB	41	43	45	49	52	55	58	60	58	60	62
Net Weight	kg	48	57	64	88	92	105	124	135	124	130	150
Gross Weight	kg	50	60	67	93	97	110	135	145	163	140	176
Net Dimension(L × D × H)	mm	930*380*670	930*380*670	930*380*670	1090*510*820	1090*510*820	1090*510*1000	1090*510*1000	1090*550*1100	1090*510*1000	1090*510*1000	1090*550*1100
Packing Dimension(L × D × H)	mm	960*410*770	960*410*770	960*410*770	1120*540*930	1120*540*930	1120*540*1120	1120*540*1120	1120*540*1230	1120*540*1120	1120*540*1120	1120*540*1230

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Homies Series

Domestic Air To Water Heat Pumps

60°C
Max. Outlet Water Temperature

Max.COP 4.15
High Energy Efficiency

Reduced Noise

Built-in Water Pump

wilo
Wilo Water Pump

Multiple Protections

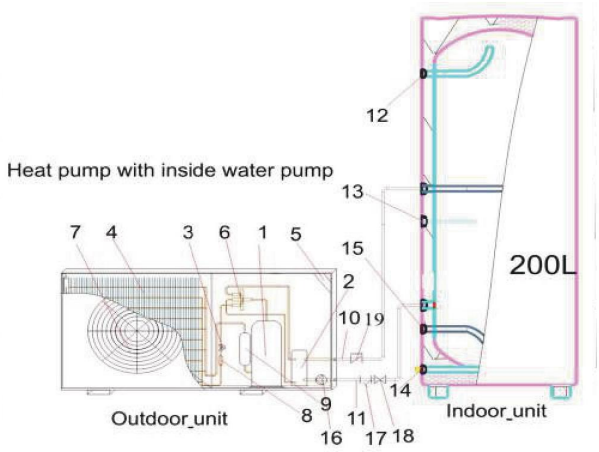
Adopting high-voltage, low-voltage, and overcurrent protection technologies, the reliability and safety are enhanced, ensuring safe usage.

Built-in Water Pump

The heat pump has a built-in WILO brand water pump, which is more convenient and convenient to install, reducing the cost of additional water pump purchase and installation difficulty.

Installation Diagram

1.Compressor
2.Condenser
3.Electromic Expansion valve
4.Evaporator
5.Controlling system
6.4-way valve
7.Fan motor
8.Filter
9.Gas-liquid separator
10.Cycle water pipe(To tank)
11. Cycle water pipe(From tank)
12.Hot water outlet
13.Water tank temp sensor tube
14.Drain water pipe
15.Cool water inlet
16.Water pump(can inside or outside heat pump)
17.Water filter
18.Gate valve
19.non-return valve



Specifications

Model		CGKS-3.5	CGKS-5.5	CGKS-7	CGKS-9
Power supply	V	220V～240V/50Hz/1ph			
Refrigerant		R410A			
Rated working condition: dry-bulb temp: 20℃ , wet-bulb temp: 15℃ , cool water temp: 15℃ , hot water temp:55 ℃ .MOQ is 5pieces.					
Heating capacity	KW	3.8	5.5	7.6	9
Input power	KW	0.92	1.33	1.84	2.23
COP		4.15	4.12	4.14	4.12
Rated current	A	4.6	6.7	9.3	11.3
Max current	A	6.2	9.1	12.5	15.2
Max input power	KW	1.3	1.9	2.6	3.1
Fan motor power	W	30	30	40	40
Fan motor quantity	Piece	1	1	1	1
Condenser		Tube in shell heat exchanger			
Water flow	L/h	726	1051	1452	1758
Water rate	L/h	82	118	163	193
Water pressure drop	Kpa	⩽ 15	⩽ 18	⩽ 25	⩽ 27
Net weight	kg	40	46	55	62
Gross weight	kg	45	52	57	65
Sound power Level	db	42	42	45	45
Classification of waterproof		IPX4			
Electric shock proof grade		I			
Pipe size (internal thread)	mm	DN20	DN20	DN20	DN20
Water pump	WILO	RS15-6	RS15-6	RS15-6	RS15-6
Dimension	mm	970*300*550	970*300*550	1006*350*618	1006*350*618
Packing dimension	mm	1040*330*580	1040*330*580	1070*380*650	1070*380*650
Compressor		MITSUBISHI			

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Combo Series

Top Discharge Commercial Air To Water Heat Pumps

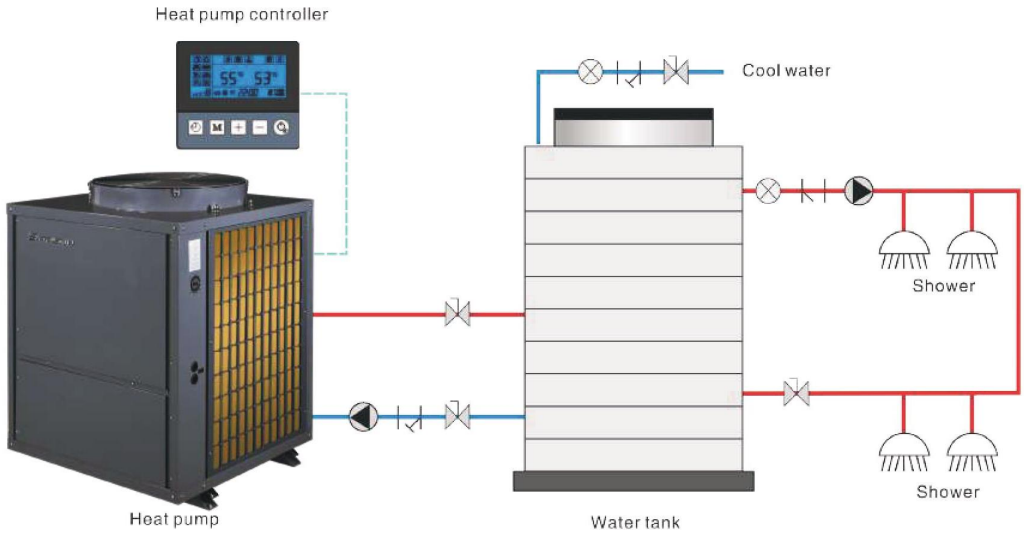
60°C
Max. Outlet Water Temperature

Max.COP 4.19
High Energy Efficiency

Save Energy by Up to 75%

While the heating efficiency of air source heat pump water heaters can reach 400% when the ambient temperature is high enough. Even under 0° C ambient temperature, the heating efficiency can be 200%, far higher than that of electric water heaters or gas water heaters.

Installation Diagram



Specifications

Model		CGK/D-9	CGK/D-12	CGK/D-18	CGK/D-12	CGK/D-18	CGK/D-22	CGK/D-36	CGK/D-42	CGK/D-52	CGK/D-72	CGK/D-95
Power supply	V	220V～240V/50Hz/1ph					380V～415V/50Hz/3ph					
Refrigerant		R410A									R407C	
Rated working condition: dry-bulb temp: 20°C , wet-bulb temp: 15°C , cool water temp: 15°C , hot water temp:55 °C .												
Heating capacity	KW	9.5	13.8	17.5	13.8	18.5	24.5	37	45	52	72	88
Input power	KW	2.29	3.35	4.23	3.35	4.48	5.95	8.96	10.90	12.44	17.22	21.00
COP		4.15	4.12	4.14	4.12	4.13	4.12	4.13	4.13	4.18	4.18	4.19
Rated current	A	11.6	16.9	21.3	6.4	8.5	11.3	17.0	20.7	23.6	32.7	39.9
Max current	A	15.6	22.8	28.8	8.6	11.5	15.2	23.0	27.9	31.9	44.2	53.8
Max input power	KW	3.2	4.7	5.9	4.7	6.3	8.3	12.1	14.7	16.8	23.3	28.4
Fan motor power	W	90	90	250	90	250	250	250	250	550	800	1150
Fan motor quantity	Piece	1								2		
Condenser		Tube in shell heat exchanger										
Water flow	L/h	1815	2637	3344	2637	3535	4681	7070	8598	9936	13758	16815
Water rate	L/h	204	297	376	297	398	527	/	/	/	/	/
Water pressure drop	Kpa	⩽ 30	⩽ 35	⩽ 40	⩽ 35	⩽ 45	⩽ 50	⩽ 55	⩽ 60	⩽ 65	⩽ 70	⩽ 75
Net weight	kg	95	100	140	100	140	148	250	286	300	673	693
Gross weight	kg	101	106	150	106	150	158	268	306	320	777	808
Sound power Level	db	52	52	57	52	57	58	65	65	68	75	78
Classification of waterproof		IPX4										
Electric shock proof grade		I										
Pipe size (internal thread)	mm	25	25	25	25	25	25	32	32	40	50	65
Dimension	mm	710*710*925	710*710*925	810*810*1055	710*710*925	810*810*1055	810*810*1055	1450*740*1150	1580*855*1200	1850*1000*1950	1850*1000*1950	2000*1100*2080
Packing dimension	mm	780*780*1075	780*780*1075	890*890*1205	780*780*1075	890*890*1205	890*890*1205	1540*820*1320	1700*950*1470	1940*1120*2180	1940*1120*2180	2090*1200*2260
Compressor model/quantity		ZW28KWP*1	ZW42KWP*1	ZW51KWP*1	ZW42KWP*1	ZW54KWP*1	ZW72KWP*1	ZW54KWP*2	ZW72KWP*2	ZW83KWP*2	ZW108KAE*2	VR144KSE*2

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Market Overview

Since 2005, SPRSUN heat pumps have been exported to Europe, and now our air source heat pumps have been sold all over the world. Currently, we have a network of distributors and agents in more than 60 countries. Especially in Europe, our products are favored by local users and have become well-known heat pump brands in some countries. In addition to cooperation with our own brand, SPRSUN also collaborates with local heat pump companies for ODM/OEM.

NORTH AMERICA

LATIN AMERICA





Global Projects





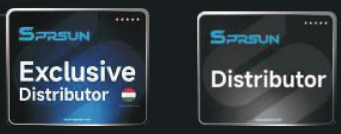

EUROPE
MEA
SPRSUN
Guangzhou
APAC


Partnership

Cooperation Approach

SPRSUN Brand Cooperation

Choosing SPRSUN is a forward-looking decision. With years of experience in research, development, manufacturing, and sales, SPRSUN heat pumps have gained wide recognition for their high-quality, durability, and superior performance.

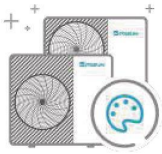


Customized Services

SPRSUN supports providing diversified customization services for air source heat pumps, including product appearance, specifications, materials, and branding. With strong manufacturing and R&D capabilities, SPRSUN offers rapid delivery cycles to help customers seize more opportunities in a competitive market.

Logo & Symbol

Our heat pumps can be produced and customized under your brand logo, helping top romote your business and establish your brand in the market.



Appearance & Color

SPRSUN can craft heat pumps with a unique appearance and functionality based on your specific requirements, offering a personalized solution.

Specification

As a competent and experienced air source heat pump manufacturer, we can achieve every specification of heat pumps according to your requirement.

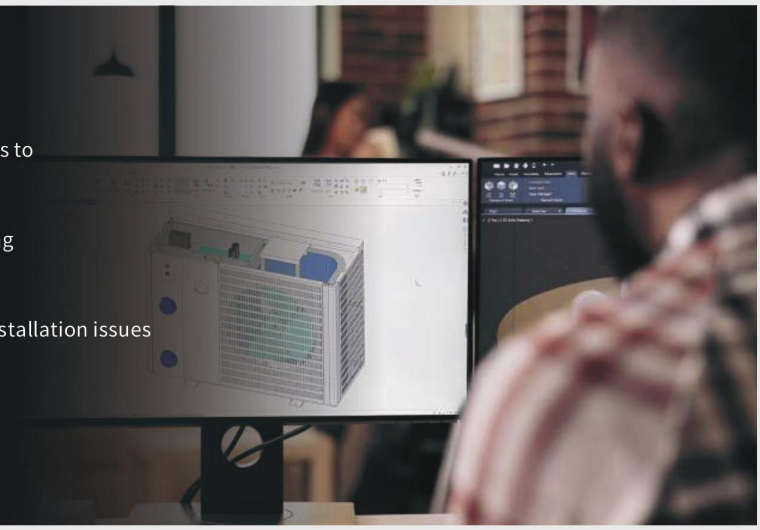
Enclosure Material

Custom enclosures in various materials can be tailored to your design requirements.Enclosure materials include stainless steep late, ABS, weather-resistant PP, and galvanized plate spraying.

Service & Support

Reliable Product Support

- Continuously develop more efficient products to meet higher energy-saving and usage needs
- High-quality components and rigorous testing to ensure durability and longevity
- Easy installation solutions to address your installation issues

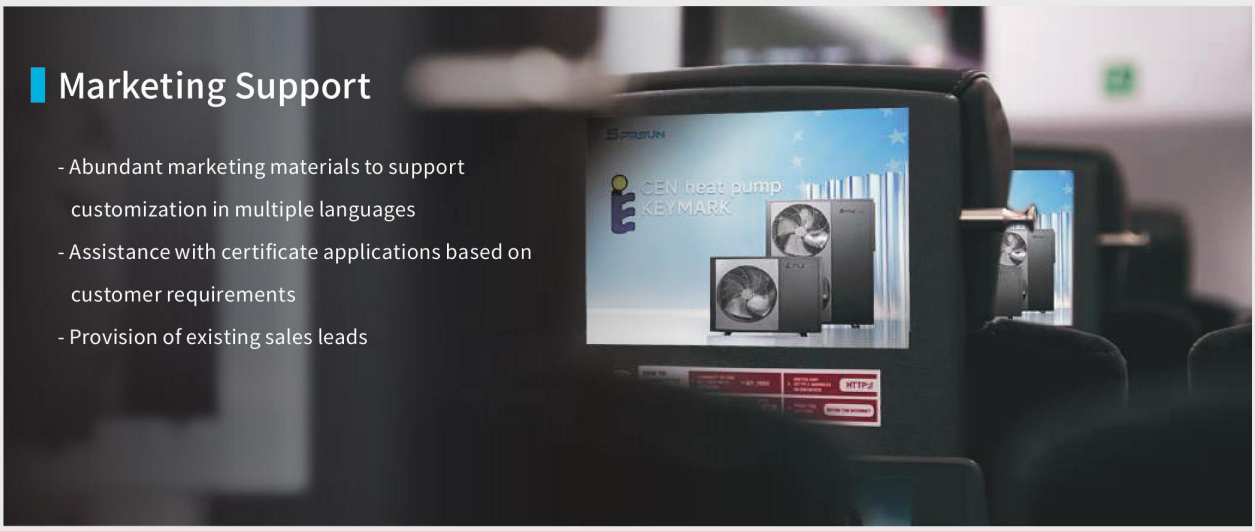


Technical Support

- Comprehensive technical training courses and troubleshooting solutions to assist customers in selecting suitable models
- Various forms of technical support including online Q&A, on-site support, and remote assistance
- 36-month warranty and lifetime after-sales support

Marketing Support

- Abundant marketing materials to support customization in multiple languages
- Assistance with certificate applications based on customer requirements
- Provision of existing sales leads



R290 DC Inverter Air Source Heat Pumps Series

	Power Supply V / Hz / Ph	Capacity(kW)									
		6	9	11	12	15	16	18	20	22	36
	220~240/50/1		●	●		●		●			
	380~420/50/3		●	●		●		●			
	220~240/50/1		●	●		●		●			
	380~420/50/3		●	●		●		●			

R32 DC Inverter Air Source Heat Pumps Series

	Power Supply V / Hz / Ph	Capacity(kW)												
		6	8	9	11	12	15	16	19	20	21	22	29	34	35
	220~240/50/1	●		●		●		●		●		●			
	380~420/50/3			●		●		●		●		●	●	●	
	220~240/50/1	●	●	●	●		●		●		●				
	380~420/50/3			●	●		●		●		●		●	●	●

R410a DC Inverter Air Source Heat Pumps Series

	Power Supply V / Hz / Ph	Capacity(kW)						
		7	9	12	16	18	26	32
	220~240/50/1	●	●	●	●	●		
	380~420/50/3		●	●	●	●	●	●
	220~240/50/1		●		●	●		
	380~420/50/3		●		●	●		

Other Series

	Power Supply V / Hz / Ph	Capacity(kW)																
		4	6	8	9	10	14	17	18	23	24	28	30	32	37	39	45	52	72	88
	220~240/50/1		●		●	●	●	●		●		●	●							
	380~420/50/3											●		●		●				
	220~240/50/1	●	●	●	●															
	220~240/50/1				●		●	●												
	380~420/50/3						●		●		●				●		●	●	●	●

* The information in this document is just for reference. Since the continuous improvement and control in the production process, the information contained in this document may be subject to change. Please refer to the nameplate on the machine for model specifications.

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